

4.2.K. 05130203110.

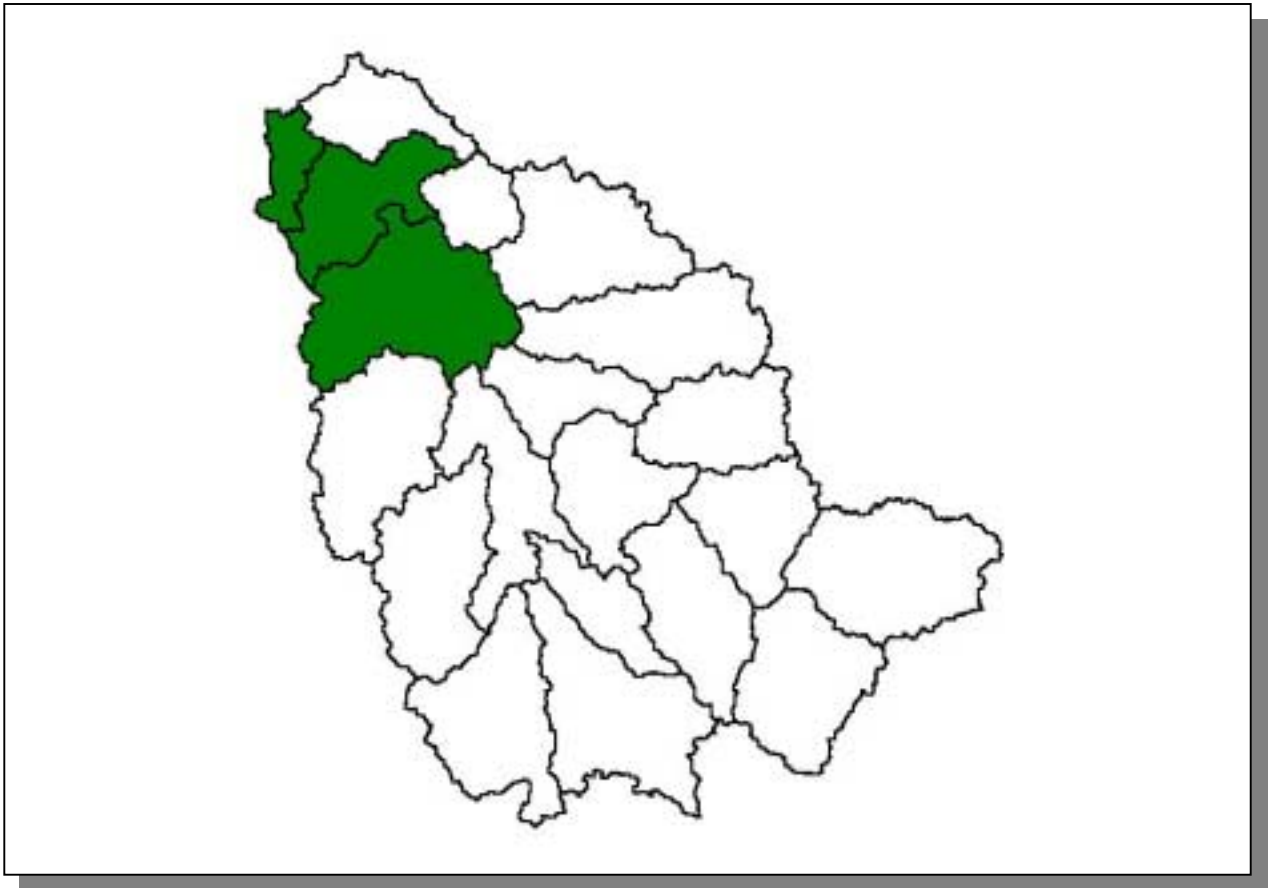


Figure 4-62. Location of Subwatershed 05130203110. All Stones HUC-14 subwatershed boundaries are shown for reference.

4.2.K.i. General Description.

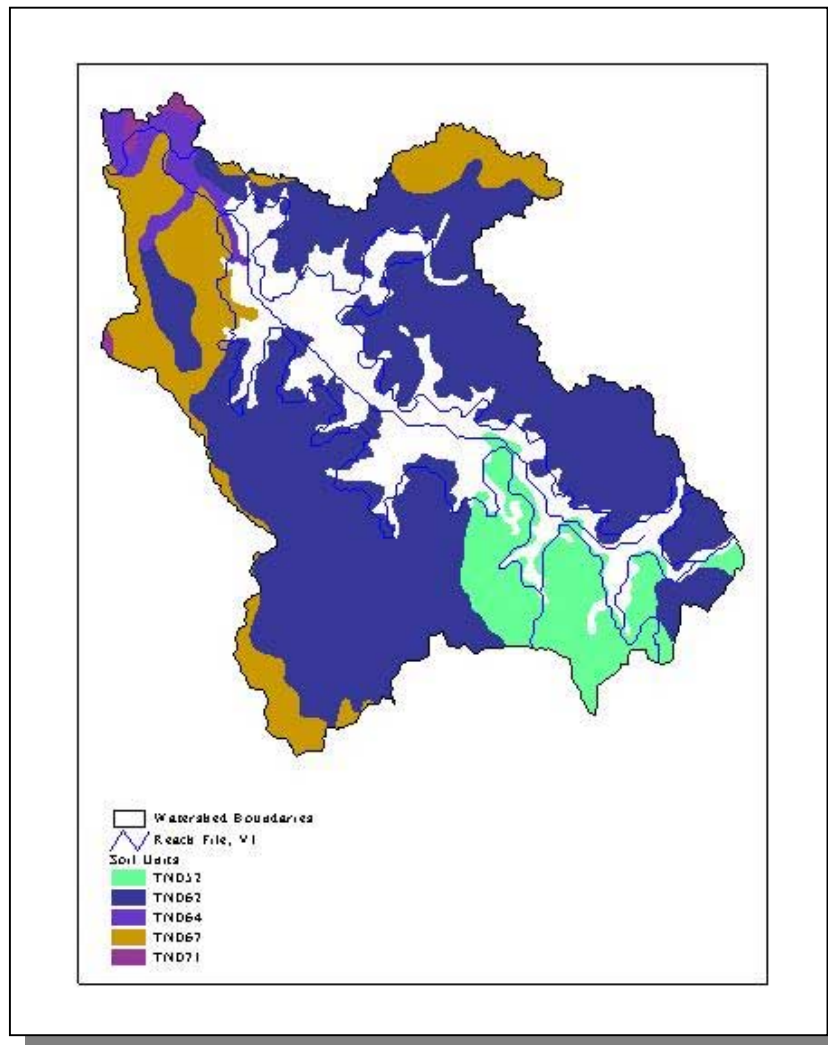


Figure 4-63. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203110.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN052	0.00	B	1.23	5.46	Silty Loam	0.39
TN062	0.00	C	0.98	4.40	Clayey Loam	0.26
TN064	7.00	C	1.19	5.82	Silty Loam	0.37
TN067	2.00	C	2.69	5.51	Silty Loam	0.35
TN071	0.00	C	2.37	5.70	Silty Loam	0.33

Table 4-67. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203110. More information is provided in Stones-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% Change
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Davidson	510,784	535,032	13.71	70,029	73,353	4.7
Rutherford	118,570	159,987	7.67	9,100	12,279	34.9
Williamson	81,021	111,453	0.05	37	50	35.1
Wilson	67,675	81,327	1.7	1,152	1,384	20.1
Totals	778,050	887,799		80,318	87,066	8.4

Table 4-68. Population Estimates in Subwatershed 05130203110.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Mount Juliet	Wilson	5,389	1,926	1,265	661	0
La Vergne	Rutherford	7,499	2,810	2,299	451	60
Smyrna	Rutherford	13,647	5,312	4,959	346	7
Nashville (remainder)	Davidson	488,518	219,521	203,640	15,576	305
Total		515,053	229,569	212,163	17,034	372

Table 4-69. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 05130203110.

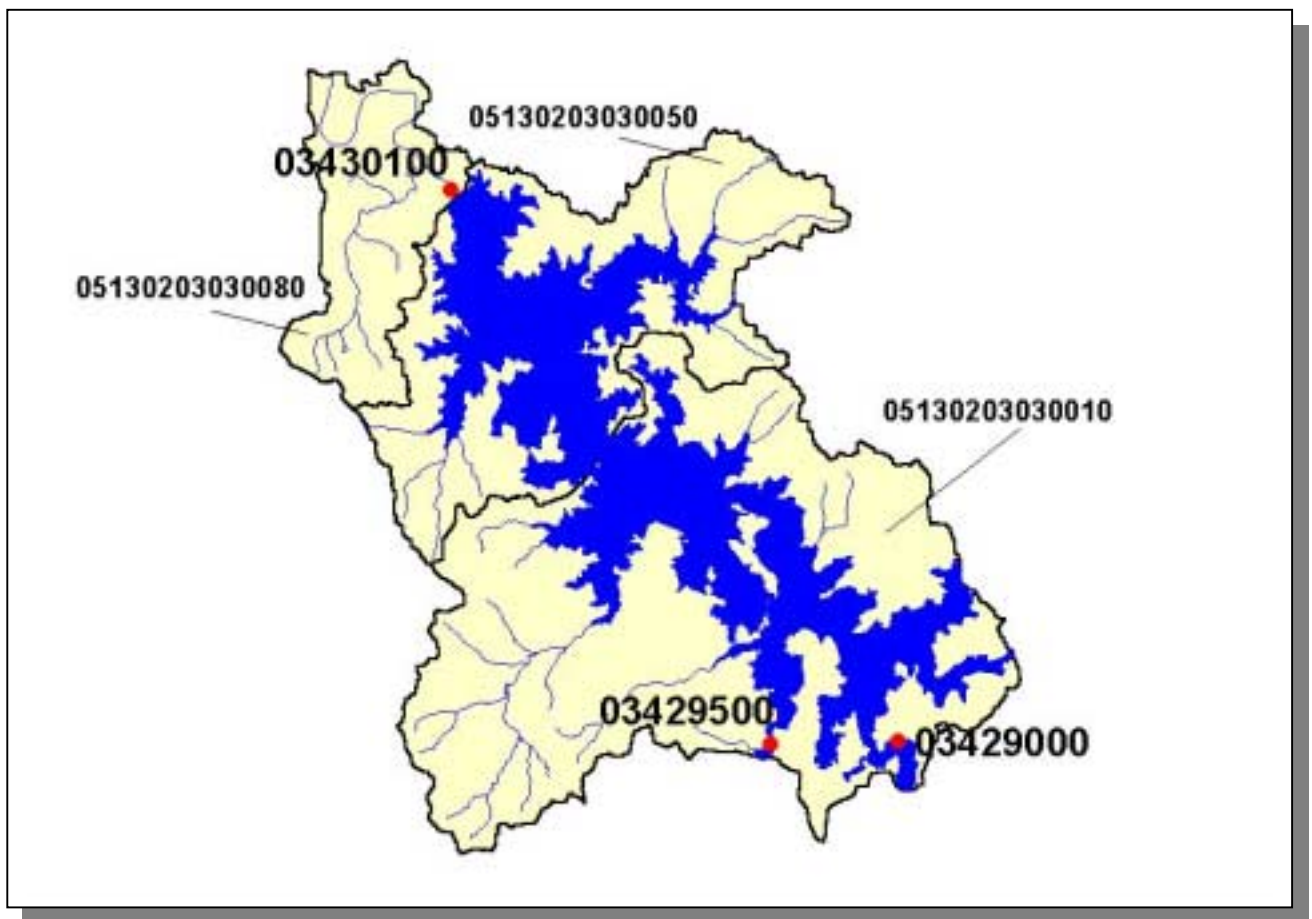


Figure 4-64. Location of Historical Streamflow Data Collection Sites in Subwatershed 05130203110. Subwatershed 05130203030010, 05130203030050, and 05130203030080 boundaries are shown for reference. More information is provided in Stones-Appendix IV.

4.2.K.ii. Point Source Contributions.

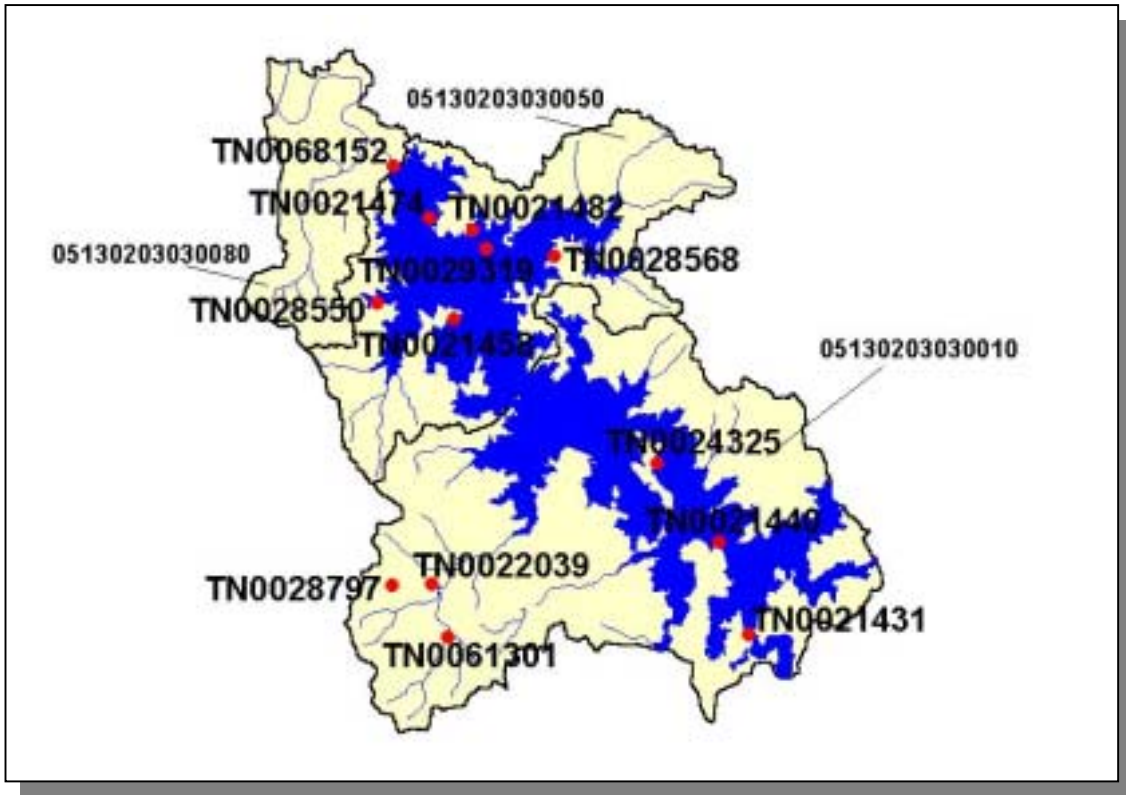


Figure 4-65. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 05130203110. Subwatershed 05130203030010, 05130203030050, and 05130203030080 boundaries are shown for reference. More information, including the names of facilities, is provided in Stones-Appendix IV.

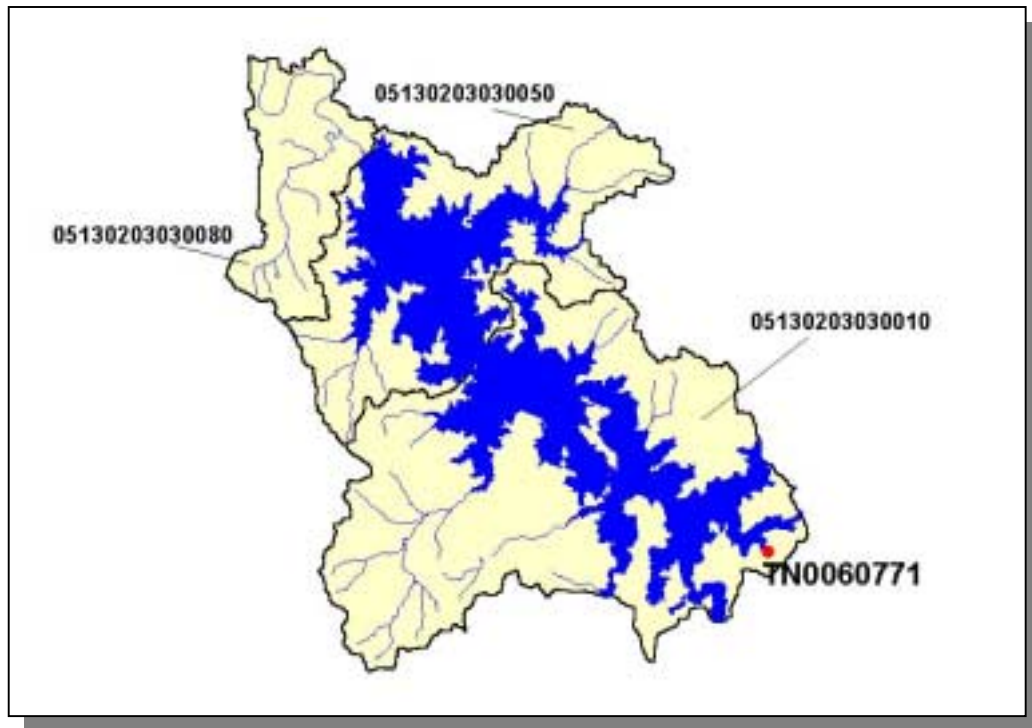


Figure 4-66. Location of Active Mining Sites in Subwatershed 05130203110. Subwatershed 051302030010, 051302030050, and 051302030080 boundaries are shown for reference. More details may be found in Stones-Appendix IV.

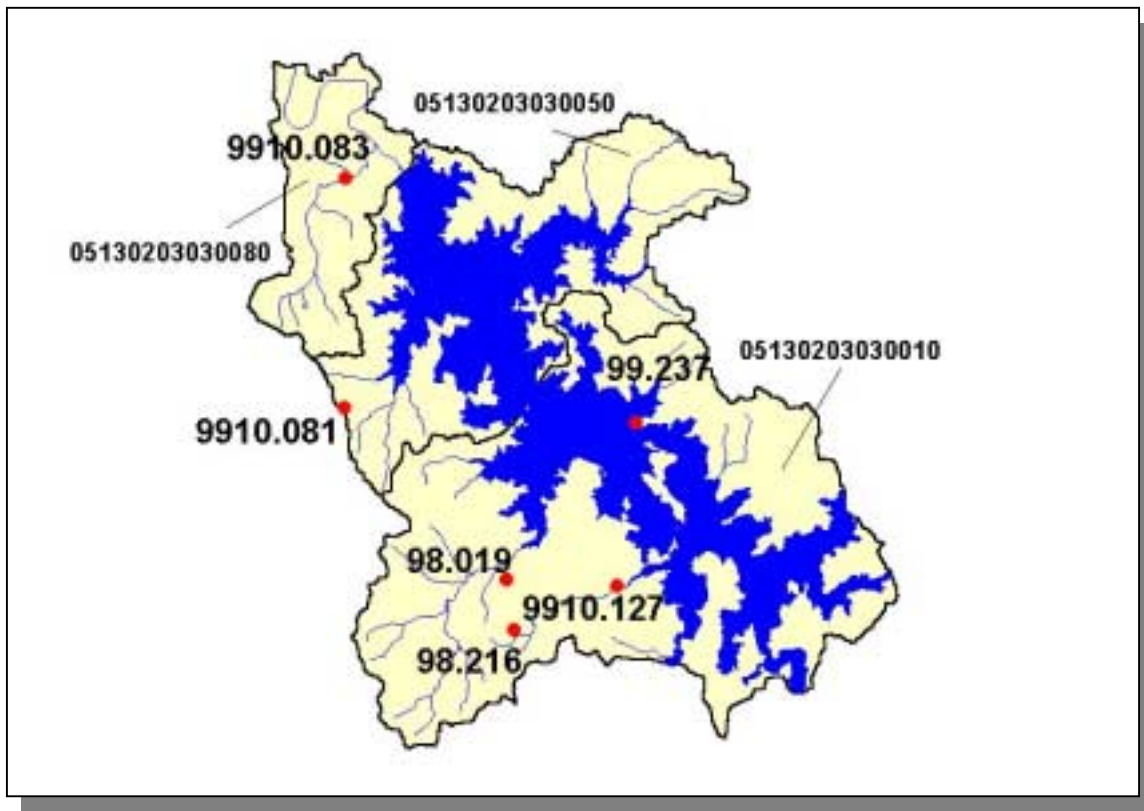


Figure 4-67. Location of ARAP Sites (Individual Permits) in Subwatershed 05130203110. Subwatershed 051302030010, 051302030050, and 051302030080 boundaries are shown for reference. More details may be found in Stones-Appendix IV.

4.2.K.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Cattle	Milk Cow	Chickens	Hogs	Sheep
1,035	4,376	99	9	79	21

Table 4-70. Summary of Livestock Count Estimates in Subwatershed 05130203110. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Davidson	108.7	108.1	2.3	9.7
Rutherford	155.7	155.7	0.4	0.9
Williamson	142.0	142.0	1.0	3.3
Wilson	98.1	97.0	1.7	6.8
Total	504.5	502.8	5.4	20.7

Table 4-71. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 05130203110.

CROP	TONS/ACRE/YEAR
Soybeans (Row Crops)	9.93
Grass (Pastureland)	0.60
Non Agricultural Land Use	0.00
All Other Close Grown Cropland	2.29
Grass (Hayland)	0.14
Grass, Forbs, Legumes (Mixed Pasture)	0.56
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.38
Corn (Row Crops)	3.38
Forest Land (Grazed)	0.00
Tobacco (Row Crops)	18.90
Wheat (Close Grown Cropland)	1.95
Legume, Grass (Hayland)	0.47
Berry (Horticultural)	0.47
Cotton (Row Crops)	4.79
Legume (Hayland)	0.32
Legume (Pastureland)	0.12
Conservation Reserve Program Land	0.28
Other Cropland not Planted	6.46
Other Land in Farms	0.12

Table 4-72. Annual Estimated Total Soil Loss in Subwatershed 05130203110.